



Arizona FirstNet

AZ APCO/NENA Meeting
December 19, 2014

 **ADOA-ASET**
Arizona Strategic Enterprise Technology

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Data Collection Sheet – Please fill in..

- Introductions
- Rank your FirstNet knowledge
- Grant requirements
- Your Information







2,978 Fatalities:

343 FDNY Firefighters

23 NYPD Officers


37 Port Authority Officers

15 EMTs

Final Report of the National Commission on Terrorist Attacks Upon The United States



Recommendations

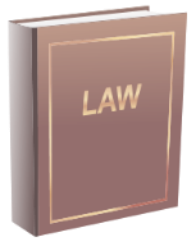
- 
- The background of the slide is a photograph of a city skyline, likely New York City, with a large plume of dark smoke rising from a building, suggesting the September 11 attacks.
27. Congress should support pending legislation which provides for the expedited and increased assignment of radio spectrum for public safety purposes...



Who Has Heard of the Nationwide Public Safety Broadband Network (NPSBN) and FirstNet?

VISION

To provide emergency responders with the first nationwide, high-speed, wireless broadband network dedicated to public safety



THE LAW 2.22.12

FirstNet becomes Law
PL 112-96

GOVERNANCE



FirstNet Board of Directors' **15** members have backgrounds in police, fire, sheriff, emergency medical, city government, and commercial telecommunications.

Governor appoints **1** single Point of Contact and governing body to represent the state's interests to FirstNet.

40 member Public Safety Advisory Committee (PSAC) advises FirstNet on public safety intergovernmental matters.

FUNDING

\$7B



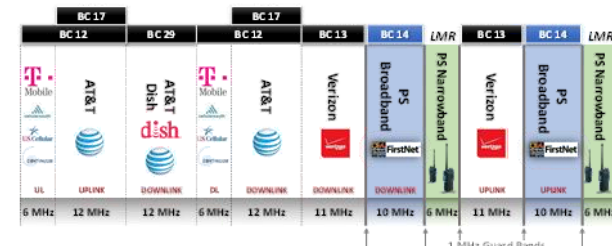
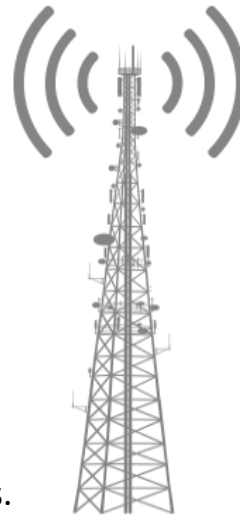
authorized to build the FirstNet network. Funded by spectrum auctions through 2022. The first auction netted



\$1.6B

BAND CLASS (BC) 14

20MHz of bandwidth has been dedicated to public safety in the prime upper **700MHz** frequency range.



Tentative Timeline

2014-2016

Business plan
Outreach and awareness
Collect local data and design network
State Consultation
Develop and award supplier RFP
Establish network core

THE ROAD TO FIRSTNET

2016+

Governor reviews design offer and opts in or out of FirstNet network deployment

2022

Last spectrum auction

Network substantially in operation

National Public Safety Broadband Network

- Standards based technology
- Self-sustaining fee-based network
- Built and operated by FirstNet



Arizona FirstNet

- Grant funded - State and Local Implementation Grant Program (SLIGP)
 - Education and Outreach
 - Data Collection and Coverage



- ADOA-ASET Broadband Planning & Public Safety Communications Office:

- AZ FirstNet
- State 9-1-1 Office
- Broadband Planning



- Arizona Public Safety Broadband Working Group

Arizona FirstNet Outreach 2014



Meetings in all 15 Counties
Regional Wireless Systems
9-1-1 PSAP Managers
RAC Meetings

Association Meetings
AZ Fire District Association
AZ Chiefs of Police
League of Cities and Towns

Tribal Meetings
Indian Country Intelligence Network
AZ Commission of Tribal Affairs
Tribal Assistance Coordination Group (TAC-G)

Reaching Out for Data



Identifying all Public Safety Agencies in Arizona

Discipline



Specialization



Dispatch



Boston, MA

April 15, 2013

Delta 984 sir, go.

>> Get help up from the medical tent. Get as many people up here as you can from the medical tent.

Alright.

>> Delta 984. Send more to the corner of Green (unintelligible) and Huntington... (unintelligible)...We're gonna need more ambulance here....

We need more ambulances....

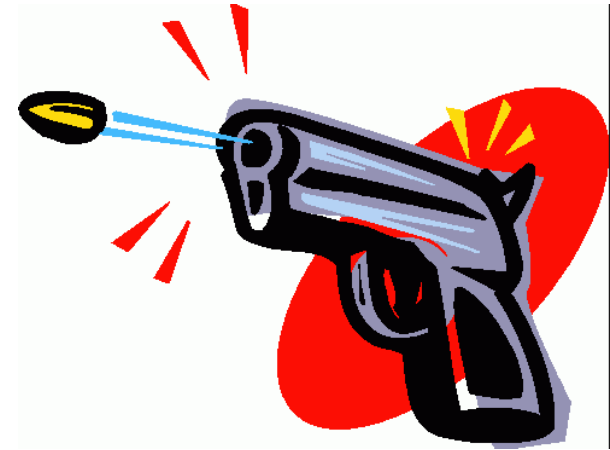
>> They're goin'.

With FirstNet™



What are your concerns?

- Additional data in the Comm Center – incoming from citizens
 - Photos
 - Videos
 - Texting
 - Managing multiple sessions
 - Prioritizing
 - Cameras –
 - School – Active Shooter
 - Banks – hostage situation
 - Outside – Boston Marathon



West, Texas - April 17, 2013



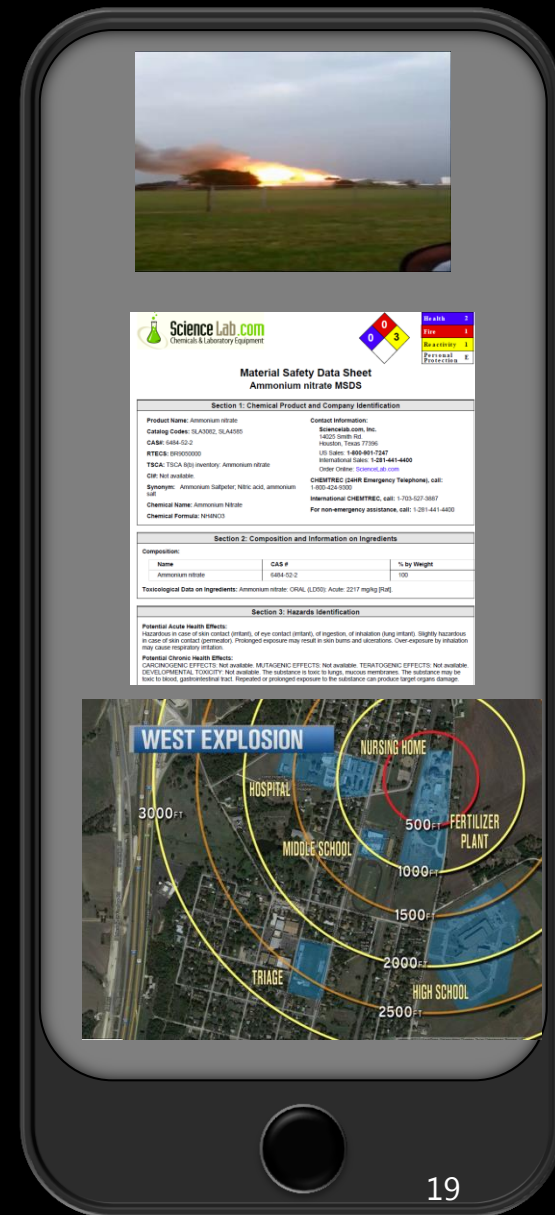
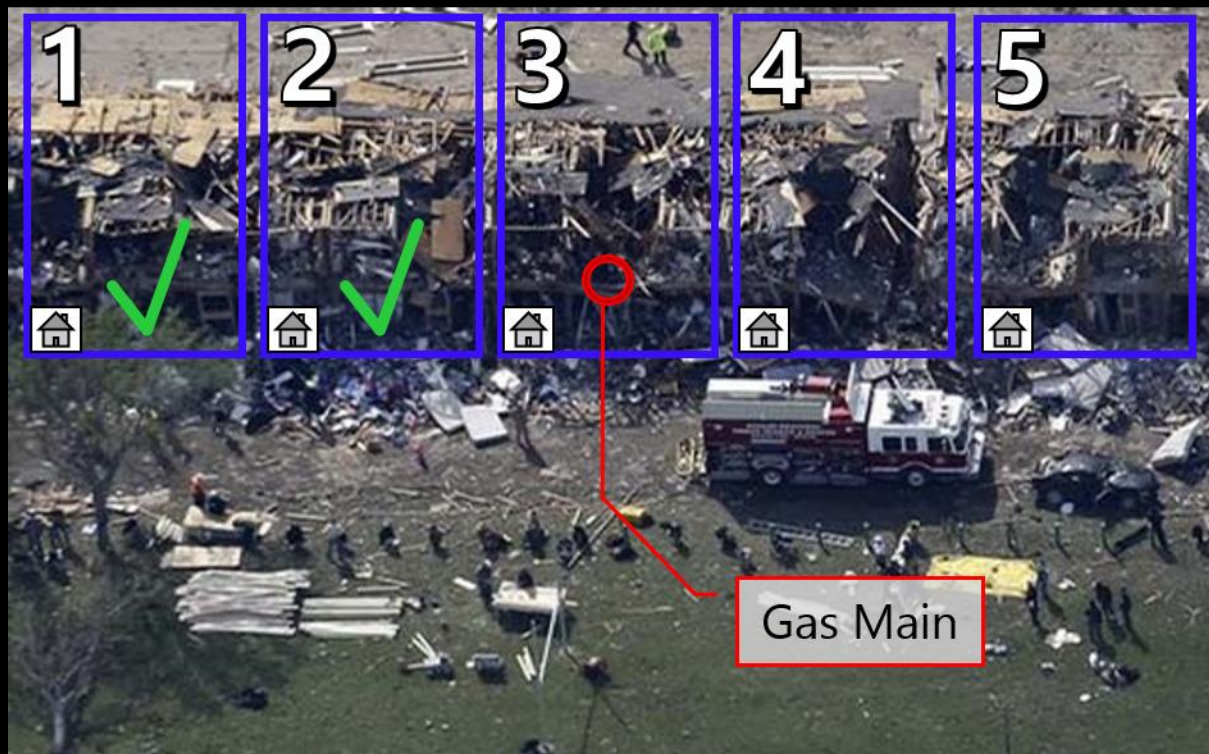
Now...

It's out West Fire, The uh West Fertilizer is uh... one of their mills is on fire...there's uh heavy smoke coming out of the top of it.

> > Stand by, was just about to do that.

<Volunteer Fire Tone Goes Out>

> > ...61, fire. 61, fire. We need you to respond to the West Fertilizer Plant. They have uh...fire out there again. West fire (unintelligible)...West Fertilizer Plant.



Data at your fingertips – while enroute or on scene...

What are your concerns?

- Additional data in the Comm Center – incoming and outgoing with road units
 - Sharing scene photos w/other responders/dispatch
 - Body Cameras
 - Vehicle Cameras
 - Videos – crime scene



Emergencies Don't Just Happen In Big Cities



Eagar, Arizona

- Population 5,000
- Plane crashed into high school when not in session
- Commercial network was overwhelmed
- Public Safety was not able to access the network

Identifying & Plan for Potential Challenges

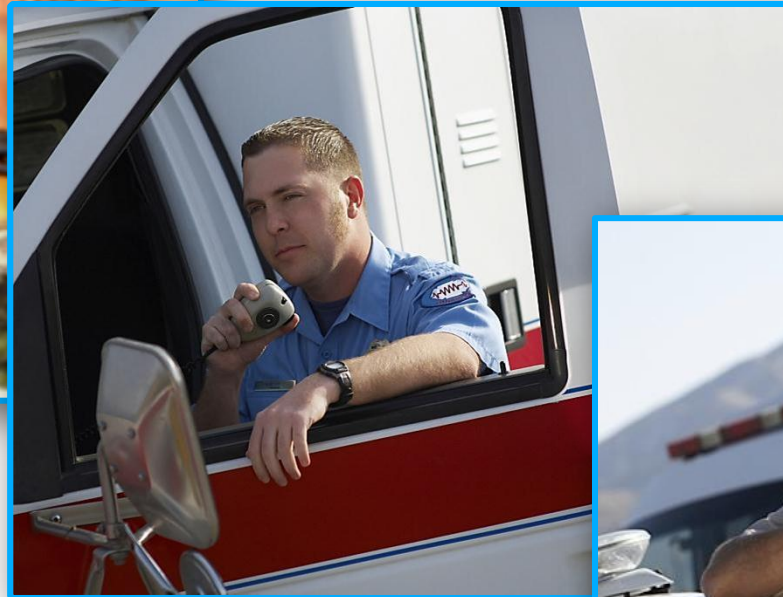
- Data storage
 - Additional apps, outgoing data to responders
- Authentication
 - Provisioning of responders roles/responsibilities
- Prioritization of responders during an incident
- Credentials
 - Support multiple authentication methods
 - Ease of use required in the field (single sign on)
- Human Centered Design
 - Simple and intuitive that meets the user needs without distracting them from their mission

Additional Data in the Comm Center

- Managing all data - triaging
 - Within the Comm Center
 - Triaged outside the Comm Center
- Training
- Hiring
- Stress – different – CISM?



Ensuring Public Safety understands what this means to existing public safety 2-way radio systems....



Nothing... for now

Engaging the Right People

Operations ✓ Policies and Procedures	Decision Makers ✓ Initial purchase
Information Technology ✓ LAN Capacity	Policy Makers ✓ Strategy and Planning
Assets ✓ Towers, Fiber, Microwave, Conduit	Finance/Contracts ✓ Negotiations, Budgeting
Permitting/Right of Way ✓ Additional Assets	Elected Officials ✓ Approvals and Planning

Is there anyone or anything else that should be considered?





How familiar are you with the
Nationwide Public Safety Broadband
Network (NPSBN) and FirstNet?

**Please turn in your forms
before you leave**



Contact Information:

- Track progress and join our Interested Parties on our website: <https://azfirstnet.az.gov>
- Arizona FirstNet Team (azfirstnet@azdoa.gov)
 - Michael Britt
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Thank You!